

Work Order ID 153069***153069***

Page 1

Monday, November 07, 2016 4:09:09 PM

Item ID: D3806-045

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wearbar Weldment

Start Date: 10/27/2016 Start Qty: 4.00

4

Cust Item ID:

Required Date: 11/7/2016 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals: Process Plan: DAS 21 Date: NOV 09 2016

Tooling:

Date:

Run Start ***NR1***QC: 9-89

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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D3806	C
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100

0.00

100

Cold Saw

Hyd Mech

Memo

Cut blanks at 46.0"

EXTRA MAT'L WILL BE CUT AT ASSEMBLY

0.05

SCRAP8φSL16-12-13

110

0.05

110

HAAS 1

HAAS CNC vertical machine #1

Memo

1-Mill as per folio FB070 & dwg

FOLIO REV: AADWG REV: C

2-Deburr as required

0.14

8φSL16-12-17

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval 			
Description Work Order Deviation				Disposition							
SCRAP											
								Completed By			
								Lead hand / Supervisor Approval Verification			
						QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐		No Re-verification ☐		Pressure/Forced ☐		Temperature/Cure ☐	
Design ☐		Operator ☐		Bending ☐		Set-up ☐	
Doc/Data ☐		Offset/Setup ☐		Centre Not Concentric ☐		BOM/Route ☐	
Equip/Tooling ☐		Supplier ☐		Cracks ☐		Broken/Damage/Defect ☐	
Handling/Pre ☐		Training ☐		Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐	
Material ☐		Use for Testing ☐		Cuffs ☐		Contamination ☐	
Internal Transport ☐		Poor Information ☐		Crushing ☐		Countersink ☐	
Tribal Knowledge ☐		Rushing ☐		Heat Treat ☐		Cut Too Short ☐	
LOA ☐		Product Improvement ☐		Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐	
Substation ☐		Process Improvement ☐		Marks/Chatter ☐		Drill Holes ☐	
Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____			
Misidentified ☐		Past Due ☐					

Work Order ID 153069

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153069

Page 2

Item ID: D3806-045 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Wearbar Weldment
Start Date: 10/27/2016 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 11/7/2016 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC2- Inspect parts off machine FAI/FAIB	0.00							
120						8	φ		16-12-17
QC	Memo	0.01							
Quality Control									
130	QC8- Inspect parts - second check	0.00							
130						8	φ		DAS 08 9-29
QC	Memo	0.01							
Quality Control									
140	Weld per dwg & QSI004 4.5	0.00							
140									
autoweld 1	Memo	0.11							
Automated Welding 1	***SEE NOTE 8 FOR SURFACE BUILDUP***								
	1- WELD AS PER DWG AND QSI004 4.5								
	FOR AUTOMATED WELDING USE 8259 HARDCOAT BATCH: _____								

PTO

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☒ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☒ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																																
Date : <u>17-01-27</u>	Step #: <u>140</u>	QTY Effective : <u>8</u>		MRB (QSI042) Approval <u>DAS</u> <u>9</u> <u>9-89 17-01-27</u>																																																																														
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Work Order ID 153069

Monday, November 07, 2016 4:09:09 PM

153069

Page 4

Item ID: D3806-045 Accept ***N900040100*** Setup Start ***NS1***
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Item Name: Wearbar Weldment
Start Date: 10/27/2016 Start Qty: 4.00 ***4*** Cust Item ID:
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	QC21- Final Inspection - Work Order Release	0.00							
180									
QC	Memo	0.07							
Quality Control									



JAN 27 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Picklist Print

Page 1

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Work Order ID: 153069

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Parent Item: D3806-045

D3806-045

Parent Item Name: Wearbar Weldment

Start Date: 10/27/2016

Required Date: 11/7/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV: 16.04.01 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304B0.250x0.500		Purchased	No				f	134.4710		16.13895			

M304B0 250x0 500

SL 16-12-13

304 BAR .250 x .500

Location

Loc Qty

Loc Code

WA002

134.471

134172

6

m133596

38.948

m133923

1.85

m135822

87.673

136340

38.6

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Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

ITEM	QTY -045	P/N	DESCRIPTION
	X	D3806-045	WEARBAR WELDMENT
1	1	D3806-5	BAR
2	A/R	8259 \ 2059B	HARD SURFACING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 153069 MLC
16-11-09

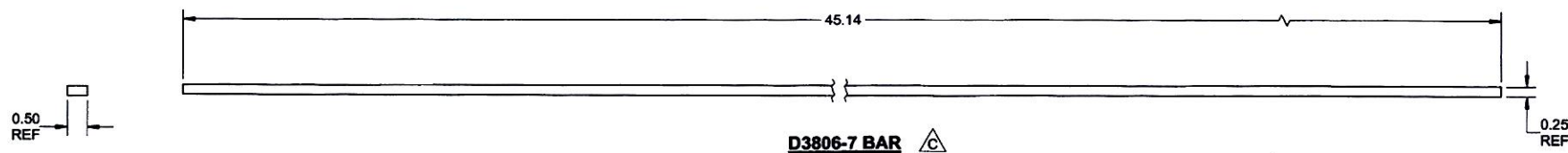
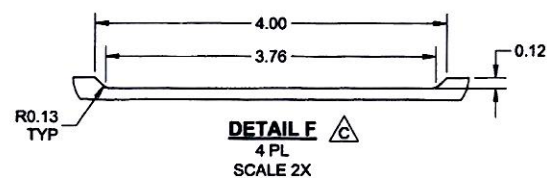
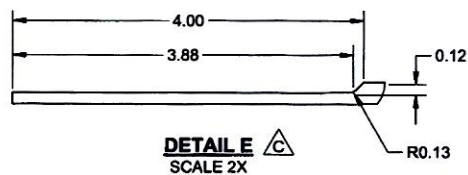
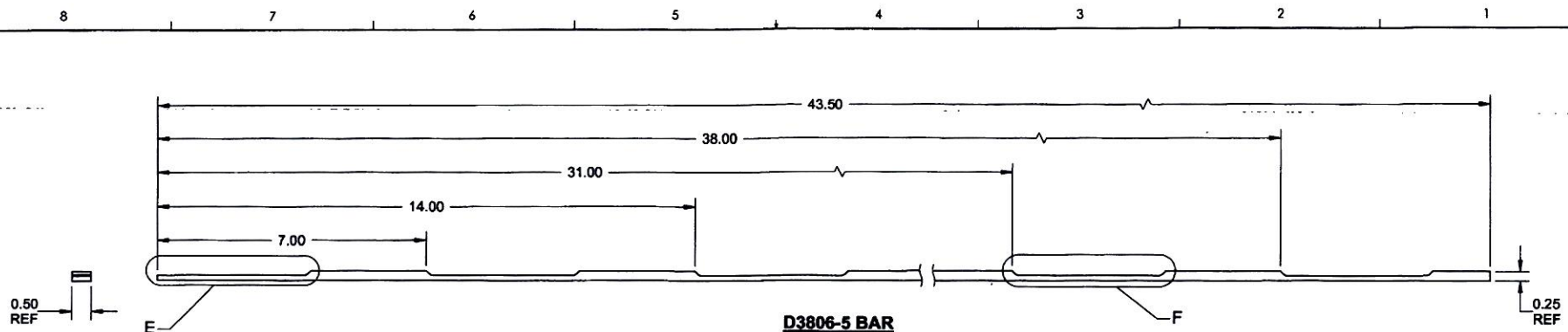


NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 1.57 lbs
- 8) BUILDUP HARD SURFACING FLUSH WITH THE BOTTOM SURFACE OF THE BAR USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR BUILDUP HARD SURFACING FLUSH WITH THE BOTTOM SURFACE OF THE BAR USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)

RELEASED
2016-03-31

DESIGN	CP	DART AEROSPACE USA, INC.	
DRAWN	AJS	EUGENE, OR	
CHECKED	ML	DRAWING NO.	REV. C
MFG. APPR.	DD	D3806	SHEET 3 OF 7
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	BAR	NTS
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NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL BAR PER ASTM A276 OR ASTM A240, 0.250 X 0.500 THICK
REF. DART SPEC. M304B0.250X00.500
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D3806-5 = 1.23 lbs
D3806-7 = 1.63 lbs

RELEASED
2016-03-31

APPROVED

DESIGN	CP	DART AEROSPACE USA, INC.	
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CHECKED	ML	DRAWING NO.	REV. C
MFG. APPR.	DD	D3806	SHEET 7 OF 7
APPROVED	WM	TITLE	SCALE
DE APPR.	DS	BAR	NTS
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